

[RACK AND PINION WHEEL DRIVE FOR AN INDUSTRIAL SLIDING BLADE DAMPER]

Abstract

This invention discloses improvements to a damper of the type used in industrial applications to open and close ducts carrying noxious or corrosive materials, such as combustion by-products. The improvements include a liner rack and wheeled pinion system to raise and lower a damper blade plate and improvements to the seal cartridge to prolong the life of the seal membrane and to prevent galling between the blade plate and the seal cartridge or damper frame.